Performance Data Sheet

HGA5485BXD

General Information

Model	HGA5485BXD	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	4850			
	Watts (Power)				
	Amps	2.66			
	Lb/h	66.4			
-23.3	Btu/h	4980	5300		
	Watts (Power)				
	Amps	2.67	2.52		
	Lb/h	68.2	72.6		
-20	Btu/h	5260	5250		
	Watts (Power)				
	Amps	2.69	2.59		
	Lb/h	72.1	72.0		
-15	Btu/h	5770	5380	5610	
	Watts (Power)	161	228	303	
	Amps	2.72	2.71	3.10	
	Lb/h	79.0	73.7	76.8	
-10	Btu/h	6390	5750	5560	5910
	Watts (Power)	405	483	568	676
	Amps	2.73	2.81	3.27	3.79
	Lb/h	87.6	78.8	76.2	80.9
-6.7	Btu/h	6880	6150	5760	5790
	Watts (Power)	501	586	678	793
	Amps	2.73	2.87	3.38	3.93
	Lb/h	94.2	84.2	78.9	79.4
-5	Btu/h	7150	6400	5930	5830
	Watts (Power)	533	623	719	838
	Amps	2.72	2.89	3.43	4.00
	Lb/h	98.0	87.6	81.3	79.9
0	Btu/h	8080	7350	6740	6330
	Watts (Power)	574	678	788	920
	Amps	2.68	2.94	3.55	4.18
	Lb/h	111	101	92.3	86.7

5	Btu/h	9190	8620	8000	7420
	Watts (Power)	560	681	807	953
	Amps	2.58	2.94	3.64	4.33
	Lb/h	126	118	110	102
7.2	Btu/h	9750	9290	8710	8090
	Watts (Power)	544	673	807	960
	Amps	2.52	2.93	3.66	4.37
	Lb/h	134	127	119	111
10	Btu/h	10500	10200	9750	9120
	Watts (Power)	522	661	805	968
	Amps	2.43	2.89	3.66	4.42
	Lb/h	144	140	134	125
15	Btu/h	12100	12200	12000	11500
	Watts (Power)	490	651	814	996
	Amps	2.20	2.77	3.63	4.44
	Lb/h	166	168	164	157

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.030051E+04	1.327108E+02	7.282011E+00	1.410833E+02
C2	-5.019288E+01	-8.709117E+00	-9.278639E-02	-6.879219E-01
C3	-6.049355E+01	2.109731E+01	-3.547372E-01	-8.273460E-01
C4	-4.351768E+00	-1.226429E+00	-1.122426E-03	-5.957139E-02
C5	1.342739E+01	3.724410E-01	3.187493E-03	1.839400E-01
C6	-8.108233E-01	-2.934258E-01	8.363219E-03	-1.113614E-02
C7	3.267362E-02	4.128677E-02	-1.549032E-05	4.463986E-04
C8	2.708022E-01	4.113274E-03	5.428743E-06	3.709266E-03
C9	-1.660862E-01	-8.710676E-04	-1.822131E-05	-2.275119E-03
C10	1.191639E-02	2.674846E-03	-5.519771E-05	1.634402E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature